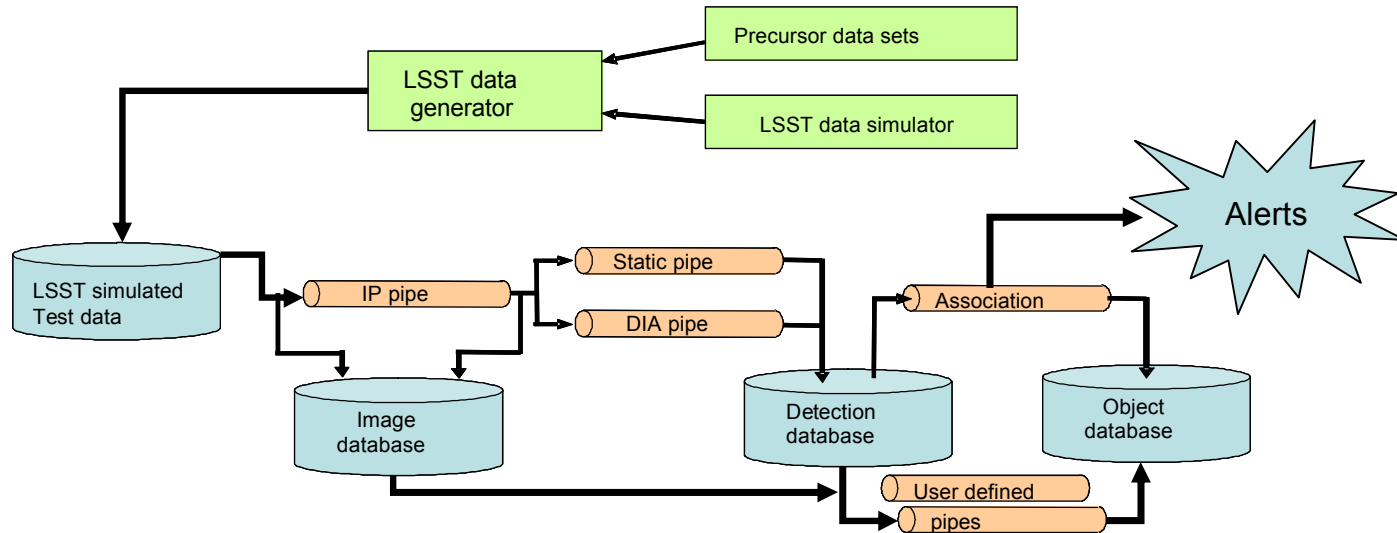


Middleware prototyping Plans

Ghaleb Abdulla

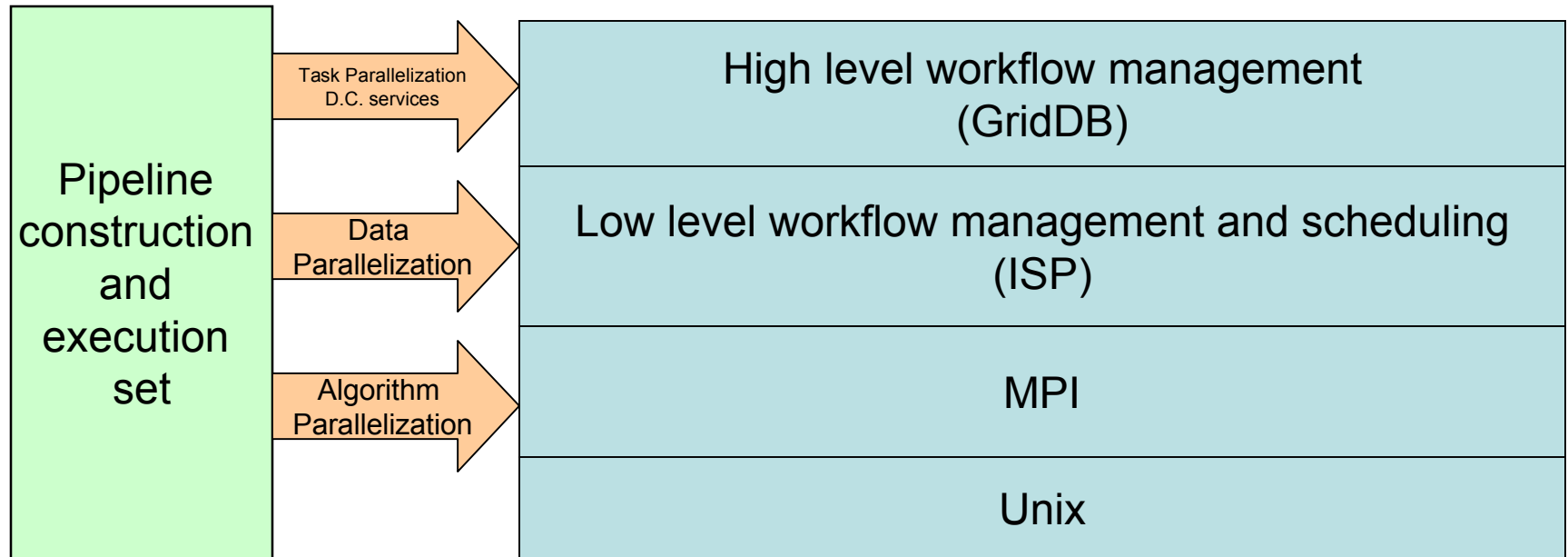
LSST Western Data Management
Team

End to End Prototype LSST System



- Currently we use pre-cursor data sets to drive our middleware prototypes
- Future work will use simulated LSST data to test algorithm's functionality and scale
- Plans to integrate with database efforts to populate database:
 - Support examples of use-cases/queries and user defined pipelines
 - Run science queries

Pipeline construction and execution set



- Prototype and test of new pipelines
 - Real-time support
- Experiment with prototype pipelines to answer questions related to:
 - Functionality, scalability
 - Explore other data management requirements
- Create production level flexible and modular pipelines and Provide support for creating user defined pipes
- Support implicit task and data parallelization
 - Algorithm parallelization is important but we will deal with later